

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Linthicum, Kevin J.

Serial Number: 10/633,952

Group Art Unit: 2815

Filed: August 4, 2003

Examiner: Jerome Jackson, Jr.

For: PENDEOEPIAXIAL METHODS OF FABRICATING GALLIUM NITRIDE
SEMICONDUCTOR LAYERS ON SILICON WAFERS OR WAFERS CONTAINING
SILICON, AND GALLIUM NITRIDE SEMICONDUCTOR STRUCTURES FABRICATED
THEREBY

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56 AND 37 C.F.R. § 1.97**

It is respectfully requested that the document listed on the attached Form PTO/SB/08A be considered by the Patent and Trademark Office in the above-referenced application and made of record therein. A full text copy of the relevant non-U.S. patent documents are enclosed. This information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last.

Respectfully submitted,

By:



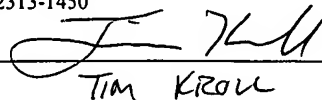
Steven B. Phillips
Registration No. 37,911
Attorney for Applicant
Moore & Van Allen, PLLC
2200 West Main Street, Suite 800
Durham, NC 27705
Phone: 919-286-8000
Facsimile: 919-286-8199

October 7, 2004

Date

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the US Postal Service Express Mail (EV 501573525) on October 7, 2004, in an envelope addressed to Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450



TIM KROLL

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

Complete if Known

Application Number	10/633,952
Filing Date	August 4, 2003
First Named Inventor	Linthicum, Kevin J.
Art Unit	2815
Examiner Name	Jerome Jackson, Jr.
Attorney Docket Number	013921-000025

U.S. PATENT DOCUMENTS

Examiner Initials'	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	AA	5,633,192		05-27-97	Moustakas et al.	
	AB	5,686,738		11-11-97	Moustakas	
	AC	5,760,426		06-02-98	Marx et al.	
	AD	5,838,029		11-17-98	Shakuda	
	AE	6,146,457		11-14-00	Solomon	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

Exam iner Initial	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AF	Lahreche et al., "Growth of High Quality GaN by low pressure metal-organic vapour phase epitaxy (LP_MOVPE) from 3D islands and lateral overgrowth," <u>Journal of Crystal Growth</u> , 205 (1999) 245-252	
	AG	Lei et al., "Epitaxial growth of zinc blende and wurtzitic gallium nitride thin films on (001) silicon," <u>Applied Physics Letters</u> , 59(8), 19 August 1991	

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.
 This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.